

φ 9/778496
WEST Search History

DATE: Wednesday, July 24, 2002

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=USPT,PGPB,DWPI; PLUR=YES; OP=OR</i>			
L9	l1 and l6	41	L9
L8	l4 and l6	19	L8
L7	l5 and l6	1	L7
L6	differential adj display	981	L6
L5	L4 and estradiol	12	L5
L4	L3 and computer	479	L4
L3	L2 and protein	1460	L3
L2	L1 and HPLC	2114	L2
L1	mass adj spectrometer	12305	L1

END OF SEARCH HISTORY

APPLICATION No. 09/778496 PART I

FILE 'HOME' ENTERED AT 09:41:57 ON 24 JUL 2002

=> FIL .CBIOTECH COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'MEDLINE' ENTERED AT 09:42:15 ON 24 JUL 2002

FILE 'BIOSIS' ENTERED AT 09:42:15 ON 24 JUL 2002
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FILE 'BIOTECHDS' ENTERED AT 09:42:15 ON 24 JUL 2002
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=> s mass spectroscopy
L1 51894 MASS SPECTROSCOPY

=> s 11 and protein
L2 3623 L1 AND PROTEIN

=> s 12 and HPLC
L3 535 L2 AND HPLC

=> dup rem 13
PROCESSING COMPLETED FOR L3
L4 366 DUP REM L3 (169 DUPLICATES REMOVED)

=> s 14 and computer
L5 11 L4 AND COMPUTER

=> d ibib 15 1-11

L5 ANSWER 1 OF 11 MEDLINE
ACCESSION NUMBER: 94238641 MEDLINE
DOCUMENT NUMBER: 94238641 PubMed ID: 8182703
TITLE: Conformationally restricted competitive antagonists of
human/rat corticotropin-releasing factor.
AUTHOR: Miranda A; Koerber S C; Gulyas J; Lahrichi S L; Craig A G;
Corrigan A; Hagler A; Rivier C; Vale W; Rivier J
CORPORATE SOURCE: Clayton Foundation Laboratories for Peptide Biology, Salk
Institute for Biological Studies, La Jolla, California
92037.
CONTRACT NUMBER: DK-26741 (NIDDK)
SOURCE: JOURNAL OF MEDICINAL CHEMISTRY, (1994 May 13) 37 (10)
1450-9.
PUB. COUNTRY: United States
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199406
ENTRY DATE: Entered STN: 19940621
Last Updated on STN: 19940621

Entered Medline: 19940614

L5 ANSWER 2 OF 11 MEDLINE
ACCESSION NUMBER: 92267025 MEDLINE
DOCUMENT NUMBER: 92267025 PubMed ID: 1316841
TITLE: Neuropeptide Y. Optimized solid-phase synthesis and conformational analysis in trifluoroethanol.
AUTHOR: Mierke D F; Durr H; Kessler H; Jung G
CORPORATE SOURCE: Organisch Chemisches Institut, Technische Universitat Munchen, Federal Republic of Germany.
SOURCE: EUROPEAN JOURNAL OF BIOCHEMISTRY, (1992 May 15) 206 (1) 39-48.
PUB. COUNTRY: Journal code: 0107600. ISSN: 0014-2956.
GERMANY: Germany, Federal Republic of
Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199206
ENTRY DATE: Entered STN: 19920710
Last Updated on STN: 19920710
Entered Medline: 19920623

L5 ANSWER 3 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2002:230902 BIOSIS
DOCUMENT NUMBER: PREV200200230902
TITLE: Effects of temperature on the dynamic behaviour of the HIV-1 nucleocapsid NCp7 and its DNA complex.
AUTHOR(S): Ramboarina, Stephanie; Srividya, Narayanan; Atkinson, R. Andrew; Morellet, Nelly; Roques, Bernard P.; Lefevre, Jean-Francois; Mely, Yves; Kieffer, Bruno (1)
CORPORATE SOURCE: (1) Laboratoire de Genomique Structurale, CNRS UPR 9004
ESBS, Bd Sebastien Brant, 67400, Illkirch:
kieffer@esbs.u-strasbg.fr France
SOURCE: Journal of Molecular Biology, (22 February, 2002) Vol. 316, No. 3, pp. 611-627. <http://www.academicpress.com/jmb>.
print.
ISSN: 0022-2836.
DOCUMENT TYPE: Article
LANGUAGE: English

L5 ANSWER 4 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2002:217107 BIOSIS
DOCUMENT NUMBER: PREV200200217107
TITLE: The SH3 domain of nebulin binds selectively to type II peptides: Theoretical prediction and experimental validation.
AUTHOR(S): Politou, Anastasia S.; Spadaccini, Roberta; Joseph, Catherine; Brannetti, Barbara; Guerrini, Remo; Helmer-Citterich, Manuela; Salvadori, Severo; Temussi, Piero Andrea; Pastore, Annalisa (1)
CORPORATE SOURCE: (1) National Institute for Medical Research, Medical Research Council, The Ridgeway, Mill Hill, London, NW7 1AA:
apastor@nimr.mrc.ac.uk UK
SOURCE: Journal of Molecular Biology, (15 February, 2002) Vol. 316, No. 2, pp. 305-315. <http://www.academicpress.com/jmb>.
print.
ISSN: 0022-2836.
DOCUMENT TYPE: Article
LANGUAGE: English

L5 ANSWER 5 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2001:244444 BIOSIS

DOCUMENT NUMBER: PREV200100244444
TITLE: The betabetaalpha fold: Explorations in sequence space.
AUTHOR(S): Sarisky, Catherine A.; Mayo, Stephen L. (1)
CORPORATE SOURCE: (1) Division of Biology, Howard Hughes Medical Institute,
California Institute of Technology, Pasadena, CA, 91125:
steve@mayo.caltech.edu USA
SOURCE: Journal of Molecular Biology, (13 April, 2001) Vol. 307,
No. 5, pp. 1411-1418. print.
ISSN: 0022-2836.
DOCUMENT TYPE: Article
LANGUAGE: English
SUMMARY LANGUAGE: English

L5 ANSWER 6 OF 11 BIOTECHDS COPYRIGHT 2002 THOMSON DERWENT AND ISI
ACCESSION NUMBER: 2002-00418 BIOTECHDS

TITLE: Characterizing **proteins** involves treating samples comprising **proteins** with separation apparatus, feeding separated **proteins** into a mass spectrometer and analyzing the separated **protein** to characterize **protein** mass;

protein microarray and computer
software for human erythroleukemia cell protein
purification and characterization

AUTHOR: Lubman D M; Bader T J; Wall D B; Parus S J; Kachman M T;
Chong B E; North R; Horvath T; Yan F

PATENT ASSIGNEE: Univ.Michgigan

LOCATION: Ann Arbor, MI, USA.

PATENT INFO: WO 2001058925 16 Aug 2001

APPLICATION INFO: WO 2001-US3917 7 Feb 2001

PRIORITY INFO: US 2001-259448 3 Jan 2001; US 2000-180911 8 Feb 2000

DOCUMENT TYPE: Patent

LANGUAGE: English

OTHER SOURCE: WPT: 2001-529839 [58]

L5 ANSWER 7 OF 11 BIOTECHDS COPYRIGHT 2002 THOMSON DERWENT AND ISI
ACCESSION NUMBER: 1985-03218 BIOTECHDS

ACCESSION NUMBER: 1980-05210 BIOCHEMIS
TITLE: Computer monitoring of sugars, acids and volatile compounds in fermentations;

e.g. ethanol and lactic acid produced by fermentation of deproteinized whey (conference paper)

AUTHOR: Motte J C; Monseur X; Termonia M; Hofman M; Alaerts G; De Meyer A

LOCATION: Institut de Recherches Chimiques, Ministere de l'Agriculture,
Museumlaan 5, B-1980 Tervuren, Belgium.

Anal. Chim. Acta, (1984), 163, 275-80

CODEN: ACACAM

DOCUMENT TYPE: Journal

DOCUMENT TYPE: Journal
LANGUAGE: English

15 ANSWER 8 OF 11 CAPIUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2002:276137 CARLIUS

ACCESSION NUMBER: 2002.27613
DOCUMENT NUMBER: 136:305080

DOCUMENT NUMBER: 136:305090
TITLE: Whole cell engineering by mutagenizing a substantial portion of a starting genome and combining mutations with optional reiteration, identifying **protein** profiles by differential labeling and mass spectrometry, and by metabolic flux analysis

INVENTOR(S): Short, Jay M.; Fu, Pengcheng; Latterich, Martin; Wei, Jing; Levin, Michael

PATENT ASSIGNEE(S): Diversa Corporation, USA

SOURCE: PCT Int. Appl., 869 pp.

for the. Appi
Coden: PTXXD2

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002029032	A2	20020411	WO 2001-US31004	20011001
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
WO 2001096551	A2	20011220	WO 2001-US19367	20010614
WO 2001096551	A3	20020523		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
PRIORITY APPLN. INFO.:			US 2000-677584	A2 20000930
			US 2001-279702P	P 20010328
			WO 2001-US19367	W 20010614
			US 2000-594459	A2 20000614

OTHER SOURCE(S): MARPAT 136:305090

L5 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1991:578572 CAPLUS
DOCUMENT NUMBER: 115:178572
TITLE: Mass spectrometry software for biochemical analysis in electrospray and fast atom bombardment modes
AUTHOR(S): Watkins, Peter J. F.; Jardine, Ian; Zhou, Joe X. G.
CORPORATE SOURCE: Finnigan MAT Ltd., Hemel Hempstead/Herts., HP2 4TG, UK
SOURCE: Biochem. Soc. Trans. (1991), 19(4), 957-62
CODEN: BCSTB5; ISSN: 0300-5127
DOCUMENT TYPE: Journal
LANGUAGE: English

L5 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1991:97732 CAPLUS
DOCUMENT NUMBER: 114:97732
TITLE: Assignment of disulfide bonds in **proteins** by partial acid hydrolysis and mass spectrometry
AUTHOR(S): Zhou, Zhongrui; Smith, David L.
CORPORATE SOURCE: Sch. Pharm. Pharm. Sci., Purdue Univ., Lafayette, IN, 47907, USA
SOURCE: J. Protein Chem. (1990), 9(5), 523-32
CODEN: JPCHD2; ISSN: 0277-8033
DOCUMENT TYPE: Journal
LANGUAGE: English

L5 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1983:212484 CAPLUS
DOCUMENT NUMBER: 98:212484
TITLE: A new **computer**-aided method for sequencing a

AUTHOR(S): polypeptide from the masses and Edman degradation of its constituent peptide fragments
Shimonishi, Yasutsugu
CORPORATE SOURCE: Inst. Protein Res., Osaka Univ., Suita, 565, Japan
METHODS SOURCE: Methods Protein Sequence Anal., [Proc. Int. Conf.], 4th (1982), Meeting Date 1981, 271-8. Editor(s): Elzinga, Marshall. Humana: Clifton, N. J.
CODEN: 49KBAY
DOCUMENT TYPE: Conference
LANGUAGE: English

=> s differential display
L6 11053 DIFFERENTIAL DISPLAY

=> s 16 and protein
L7 6475 L6 AND PROTEIN

=> s 17 and 11
L8 1 L7 AND L1

=> d ibib 18

L8 ANSWER 1 OF 1 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2001:75632 BIOSIS
DOCUMENT NUMBER: PREV200100075632
TITLE: Preliminary expression analysis in Alzheimer's disease using SELDI **protein** chips.
AUTHOR(S): Utal, A. (1); Yao, P.; Sha, M.; Coleman, P. D.
CORPORATE SOURCE: (1) Center on Aging " Developmental Biology, University of Rochester, Rochester, NY USA
SOURCE: Society for Neuroscience Abstracts, (2000) Vol. 26, No. 1-2, pp. Abstract No.-83.7. print.
Meeting Info.: 30th Annual Meeting of the Society of Neuroscience New Orleans, LA, USA November 04-09, 2000
Society for Neuroscience
. ISSN: 0190-5295.
DOCUMENT TYPE: Conference
LANGUAGE: English
SUMMARY LANGUAGE: English

=> s mass spectrometer
L9 49174 MASS SPECTROMETER

=> s 16 and 19
L10 14 L6 AND L9

=> dup rem 110
PROCESSING COMPLETED FOR L10
L11 5 DUP REM L10 (9 DUPLICATES REMOVED)

=> d ibib 111 1-5

L11 ANSWER 1 OF 5 MEDLINE DUPLICATE 1
ACCESSION NUMBER: 2002122346 MEDLINE
DOCUMENT NUMBER: 21846417 PubMed ID: 11857757
TITLE: Comparative proteomics based on stable isotope labeling and affinity selection.
AUTHOR: Regnier Fred E; Riggs Larry; Zhang Roujian; Xiong Li; Liu Peiran; Chakraborty Asish; Seeley Erin; Sioma Cathy; Thompson Robert A

CORPORATE SOURCE: Department of Chemistry, Purdue University, West Lafayette, IN 47907, USA.. fregnier@purdue.edu
CONTRACT NUMBER: GM 59996 (NIGMS)
SOURCE: JOURNAL OF MASS SPECTROMETRY, (2002 Feb) 37 (2) 133-45.
Ref: 86
PUB. COUNTRY: Journal code: 9504818. ISSN: 1076-5174.
England: United Kingdom
Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200203
ENTRY DATE: Entered STN: 20020222
Last Updated on STN: 20020322
Entered Medline: 20020321

L11 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2001:598300 CAPLUS
DOCUMENT NUMBER: 135:177671
TITLE: Protein separation apparatus and methods for a novel mass mapping system
INVENTOR(S): Lubman, David M.; Chong, Bathsheba E.; Parus, Stephen J.
PATENT ASSIGNEE(S): Regents of the University of Michigan, USA
SOURCE: PCT Int. Appl., 56 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001059460	A2	20010816	WO 2001-US3887	20010207
WO 2001059460	A3	20020207		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 2002039747	A1	20020404	US 2001-778496	20010207
PRIORITY APPLN. INFO.:			US 2000-180911P	P 20000208
			US 2000-239325P	P 20001010
			US 2000-239326P	P 20001010
			US 2001-259448P	P 20010103
			US 2001-259816P	P 20010104

L11 ANSWER 3 OF 5 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2001:494473 BIOSIS
DOCUMENT NUMBER: PREV200100494473
TITLE: The Masscode™ technology alternative to fluorescent detection.
AUTHOR(S): Dusterhoft, Andreas (1); Dix, Kim (1); Erwin, Barb (1); Kokoris, Mark (1); Mathis, Janette (1); Moynihan, Kristen (1)
CORPORATE SOURCE: (1) QIAGEN Genomics, Inc., Bothell, WA USA
SOURCE: International Genome Sequencing and Analysis Conference,

(2000) Vol. 12, pp. 27. print.
Meeting Info.: 12th International Genome Sequencing and Analysis Conference Miami Beach, Florida, USA September 12-15, 2000

DOCUMENT TYPE: Conference
LANGUAGE: English
SUMMARY LANGUAGE: English

L11 ANSWER 4 OF 5 MEDLINE DUPLICATE 2
ACCESSION NUMBER: 97188452 MEDLINE
DOCUMENT NUMBER: 97188452 PubMed ID: 9037037
TITLE: Systematic isolation of peptide signal molecules regulating development in hydra: LWamide and PW families.
AUTHOR: Takahashi T; Muneoka Y; Lohmann J; Lopez de Haro M S; Solleder G; Bosch T C; David C N; Bode H R; Koizumi O; Shimizu H; Hatta M; Fujisawa T; Sugiyama T
CORPORATE SOURCE: Faculty of Integrated Arts and Sciences, Hiroshima University, Higashi-Hiroshima, Japan.
CONTRACT NUMBER: HD 08086 (NICHD)
HD 27173 (NICHD)
SOURCE: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1997 Feb 18) 94 (4) 1241-6.
Journal code: 7505876. ISSN: 0027-8424.
PUB. COUNTRY: United States
Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199703
ENTRY DATE: Entered STN: 19970407
Last Updated on STN: 19970407
Entered Medline: 19970327

L11 ANSWER 5 OF 5 MEDLINE DUPLICATE 3
ACCESSION NUMBER: 97443972 MEDLINE
DOCUMENT NUMBER: 97443972 PubMed ID: 9298643
TITLE: Proteome research: complementarity and limitations with respect to the RNA and DNA worlds.
AUTHOR: Humphrey-Smith I; Cordwell S J; Blackstock W P
CORPORATE SOURCE: University of Sydney, Centre for Proteome Research and Gene-Product Mapping, National Innovation Centre, Eveleigh, Australia.. reeves04@angis.su.oz.au
SOURCE: ELECTROPHORESIS, (1997 Aug) 18 (8) 1217-42. Ref: 321
Journal code: 8204476. ISSN: 0173-0835.
PUB. COUNTRY: GERMANY: Germany, Federal Republic of Historical
Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, ACADEMIC)
LANGUAGE: English
FILE SEGMENT: Priority Journals; History of Medicine
ENTRY MONTH: 199710
ENTRY DATE: Entered STN: 19971105
Last Updated on STN: 19971105
Entered Medline: 19971023

=> s 11 and 19
L12 5470 L1 AND L9

=> s 112 and HPLC
L13 168 L12 AND HPLC

```
=> dup rem l13
PROCESSING COMPLETED FOR L13
L14          161 DUP REM L13 (7 DUPLICATES REMOVED)

=> s l14 and computer
L15          6 L14 AND COMPUTER

=> d ibib l15 1-6

L15 ANSWER 1 OF 6 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2000:405039 BIOSIS
DOCUMENT NUMBER: PREV200000405039
TITLE: Biotin reagents for antibody pretargeting. 4. Selection of
biotin conjugates for in vivo application based on their
dissociation rate from avidin and streptavidin.
AUTHOR(S): Wilbur, D. Scott (1); Chyan, Ming-Kuan; Pathare, Pradip M. ;
Hamlin, Donald K.; Frownfelter, Milah B.; Kegley, Brian B.
CORPORATE SOURCE: (1) Department of Radiation Oncology, University of
Washington, 2121 North 35th Street, Seattle, WA, 98195 USA
SOURCE: Bioconjugate Chemistry, (July August, 2000) Vol. 11, No. 4,
pp. 569-583. print.
ISSN: 1043-1802.
DOCUMENT TYPE: Article
LANGUAGE: English
SUMMARY LANGUAGE: English

L15 ANSWER 2 OF 6 BIOTECHDS COPYRIGHT 2002 THOMSON DERWENT AND ISI
ACCESSION NUMBER: 2002-00418 BIOTECHDS
TITLE: Characterizing proteins involves treating samples comprising
proteins with separation apparatus, feeding separated
proteins into a mass spectrometer and
analyzing the separated protein to characterize protein mass;
protein microarray and computer software for
human erythroleukemia cell protein purification and
characterization
AUTHOR: Lubman D M; Bader T J; Wall D B; Parus S J; Kachman M T;
Chong B E; North R; Horvath T; Yan F
PATENT ASSIGNEE: Univ.Michgigan
LOCATION: Ann Arbor, MI, USA.
PATENT INFO: WO 2001058925 16 Aug 2001
APPLICATION INFO: WO 2001-US3917 7 Feb 2001
PRIORITY INFO: US 2001-259448 3 Jan 2001; US 2000-180911 8 Feb 2000
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2001-529839 [58]

L15 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1998:816818 CAPLUS
DOCUMENT NUMBER: 130:60388
TITLE: New software generation for the mass
spectroscopy
AUTHOR(S): Gummersbach, Joachim
CORPORATE SOURCE: ThermoQuest Analyt. Systeme G.m.b.H., Egelsbach,
D-63329, Germany
SOURCE: LaborPraxis (1998), 22(12), 26-28
CODEN: LAPRDE; ISSN: 0344-1733
PUBLISHER: Vogel Verlag und Druck GmbH & Co. KG
DOCUMENT TYPE: Journal; General Review
LANGUAGE: German

L15 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1990:47991 CAPLUS
```

DOCUMENT NUMBER: 112:47991
TITLE: Accurate mass measurement in continuous flow fast atom bombardment quadrupole mass spectrometry
AUTHOR(S): Roboz, John; Holland, James F.; McDowell, Mark A.; Hillmer, Mark J.
CORPORATE SOURCE: Dep. Neoplast. Dis., Mt. Sinai Sch. Med., New York, NY, USA
SOURCE: Rapid Commun. Mass Spectrom. (1988), 2(4), 64-6
DOCUMENT TYPE: Journal
LANGUAGE: English

L15 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1989:53982 CAPLUS
DOCUMENT NUMBER: 110:53982
TITLE: Cesium ion liquid secondary ion mass spectrometry of membrane-bound glycoproteins: structural and topological considerations of acetylcholine receptor from *Torpedo californica*
AUTHOR(S): Poulter, L.; Earnest, J. P.; Stroud, R. M.; Burlingame, A. L.
CORPORATE SOURCE: Dep. Pharm. Chem., Univ. California, San Francisco, CA, 94143, USA
SOURCE: Biomed. Environ. Mass Spectrom. (1988), Volume Date 1987, 16(1-12), 25-30
DOCUMENT TYPE: Journal
LANGUAGE: English

L15 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1985:419374 CAPLUS
DOCUMENT NUMBER: 103:19374
TITLE: Analysis of lipids by high performance liquid chromatography-chemical ionization mass spectrometry
AUTHOR(S): Erdahl, W. L.; Privett, O. S.
CORPORATE SOURCE: Hormel Inst., Univ. Minnesota, Austin, MN, 55912, USA
SOURCE: JAOCS, J. Am. Oil Chem. Soc. (1985), 62(4), 786-92
DOCUMENT TYPE: Journal
LANGUAGE: English

APPLICATION NO.

φ9/778496 Part II

FILE 'HOME' ENTERED AT 11:22:36 ON 24 JUL 2002

=> FIL .CBIOTECH	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'MEDLINE' ENTERED AT 11:22:57 ON 24 JUL 2002

FILE 'BIOSIS' ENTERED AT 11:22:57 ON 24 JUL 2002
COPYRIGHT (C) 2002 BIOLOGICAL ABSTRACTS INC.(R)FILE 'BIOTECHDS' ENTERED AT 11:22:57 ON 24 JUL 2002
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COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)FILE 'EMBASE' ENTERED AT 11:22:57 ON 24 JUL 2002
COPYRIGHT (C) 2002 Elsevier Science B.V. All rights reserved.=> s mass spectrometer
L1 49174 MASS SPECTROMETER=> s 11 and HPLC
L2 2698 L1 AND HPLC=> s 12 and protein
L3 656 L2 AND PROTEIN=> dup rem 13
PROCESSING COMPLETED FOR L3
L4 461 DUP REM L3 (195 DUPLICATES REMOVED)=> s 14 and estradiol
L5 2 L4 AND ESTRADIOL

=> d ibib 15 1-2

L5 ANSWER 1 OF 2 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2002:77117 BIOSIS
DOCUMENT NUMBER: PREV200200077117

TITLE: Specific photoaffinity-labeling of Tyr-50 on the heavy chain and of Tyr-32 on the light chain in the steroid combining site of a mouse monoclonal anti-estradiol antibody using C3-, C6-, and C7-linked 5-azido-2-nitrobenzoylamidoestradiol photoreagents.

AUTHOR(S): de Ravel, Marc Rolland; Blachere, Thierry; Delolme, Frederic; Dessalces, Guy; Coulon, Stephane; Baty, Daniel; Grenot, Catherine; Mappus, Elisabeth; Cuilleron, Claude Y.
(1)CORPORATE SOURCE: (1) Institut National de la Sante et de la Recherche Medicale, Unite INSERM U 329, Pathologie Hormonale Moleculaire, Hopital Debrousse, 69322, Lyon:
cuilleron@lyon151.inserm.fr FranceSOURCE: Biochemistry, (December 11, 2001) Vol. 40, No. 49, pp.
14907-14920. <http://pubs.acs.org/journals/bichaw/>. print.
ISSN: 0006-2960.DOCUMENT TYPE: Article
LANGUAGE: English

L5 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2001:598300 CAPLUS
 DOCUMENT NUMBER: 135:177671
 TITLE: **Protein** separation apparatus and methods for
 a novel mass mapping system
 INVENTOR(S): Lubman, David M.; Chong, Bathsheba E.; Parus, Stephen
 J.
 PATENT ASSIGNEE(S): Regents of the University of Michigan, USA
 SOURCE: PCT Int. Appl., 56 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 3
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001059460	A2	20010816	WO 2001-US3887	20010207
WO 2001059460	A3	20020207		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 2002039747	A1	20020404	US 2001-778496	20010207
PRIORITY APPLN. INFO.: US 2000-180911P P 20000208 US 2000-239325P P 20001010 US 2000-239326P P 20001010 US 2001-259448P P 20010103 US 2001-259816P P 20010104				

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 L6 24 L4 AND COMPUTER

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L6 ANSWER 1 OF 24 MEDLINE
 ACCESSION NUMBER: 2000166087 MEDLINE
 DOCUMENT NUMBER: 20166087 PubMed ID: 10701260
 TITLE: Automated identification of amino acid sequence variations
 in **proteins** by HPLC/microspray tandem
 mass spectrometry.
 AUTHOR: Gatlin C L; Eng J K; Cross S T; Detter J C; Yates J R 3rd
 CORPORATE SOURCE: Department of Molecular Biotechnology, University of
 Washington, Seattle 98195-7730, USA.
 SOURCE: ANALYTICAL CHEMISTRY, (2000 Feb 15) 72 (4) 757-63.
 Journal code: 0370536. ISSN: 0003-2700.
 PUB. COUNTRY: United States
 Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 200004
 ENTRY DATE: Entered STN: 20000505
 Last Updated on STN: 20000505
 Entered Medline: 20000425

L6 ANSWER 2 OF 24 MEDLINE
ACCESSION NUMBER: 1998300813 MEDLINE
DOCUMENT NUMBER: 98300813 PubMed ID: 9638942
TITLE: Optimization of capillary chromatography ion trap-mass spectrometry for identification of gel-separated proteins.
AUTHOR: Courchesne P L; Jones M D; Robinson J H; Spahr C S;
McCracken S; Bentley D L; Luethy R; Patterson S D
CORPORATE SOURCE: Protein Structure, Amgen Inc., Thousand Oaks, CA 91320-1789, USA.
SOURCE: ELECTROPHORESIS, (1998 May) 19 (6) 956-67.
Journal code: 8204476. ISSN: 0173-0835.
PUB. COUNTRY: GERMANY: Germany, Federal Republic of
Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199903
ENTRY DATE: Entered STN: 19990316
Last Updated on STN: 20000303
Entered Medline: 19990303

L6 ANSWER 3 OF 24 MEDLINE
ACCESSION NUMBER: 96182018 MEDLINE
DOCUMENT NUMBER: 96182018 PubMed ID: 8608118
TITLE: A binding site for chlorambucil on metallothionein.
AUTHOR: Zaia J; Jiang L; Han M S; Tabb J R; Wu Z; Fabris D;
Fenselau C
CORPORATE SOURCE: Department of Chemistry and Biochemistry, Structural Biochemistry Center, University of Maryland Baltimore County, 21228, USA.
CONTRACT NUMBER: 21248 (NIEHS)
T32 ES07263
SOURCE: BIOCHEMISTRY, (1996 Mar 5) 35 (9) 2830-5.
Journal code: 0370623. ISSN: 0006-2960.
PUB. COUNTRY: United States
Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199605
ENTRY DATE: Entered STN: 19960605
Last Updated on STN: 19960605
Entered Medline: 19960528

L6 ANSWER 4 OF 24 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2002:357144 BIOSIS
DOCUMENT NUMBER: PREV200200357144
TITLE: Identifying sites of attachment of UV filters to proteins in older human lenses.
AUTHOR(S): Aquilina, J. A.; Truscott, R. J. W. (1)
CORPORATE SOURCE: (1) Australian Cataract Research Foundation, Department of Chemistry, University of Wollongong, Northfields Avenue, Wollongong, NSW, 2522: roger_truscott@uow.edu.au Australia
SOURCE: Biochimica et Biophysica Acta, (1 April, 2002) Vol. 1596, No. 1, pp. 6-15. <http://www.elsevier.com/locate/bba>. print.
ISSN: 0006-3002.
DOCUMENT TYPE: Article
LANGUAGE: English

L6 ANSWER 5 OF 24 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2002:236175 BIOSIS
DOCUMENT NUMBER: PREV200200236175
TITLE: Application of column-switching liquid chromatography-

AUTHOR(S): tandem mass spectrometry for the determination of pharmaceutical compounds in tissue samples.
CORPORATE SOURCE: Heinig, Katja (1); Bucheli, Franz
(1) Pharmaceuticals Division, Non-clinical Drug Safety, Bioanalytical Section, F. Hoffmann-La Roche Ltd., Building 68/101, CH-4070, Basel: katja.heinig@roche.com Switzerland
SOURCE: Journal of Chromatography B, (25 March, 2002) Vol. 769, No. 1, pp. 9-26. <http://www.elsevier.com/locate/jchromb>. print.
ISSN: 0378-4347.
DOCUMENT TYPE: Article
LANGUAGE: English

L6 ANSWER 6 OF 24 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2001:420041 BIOSIS
DOCUMENT NUMBER: PREV200100420041
TITLE: Functional assignment of the 20 S proteasome from *Trypanosoma brucei* using mass spectrometry and new bioinformatics approaches.
AUTHOR(S): Huang, Lan; Jacob, Richard J.; Pegg, Scott C.-H.; Baldwin, Michael A.; Wang, Ching C.; Burlingame, Alma L.; Babbitt, Patricia C. (1)
CORPORATE SOURCE: (1) Department of Pharmaceutical Chemistry, University of California, San Francisco, CA, 94143: babbitt@cgl.ucsf.edu USA
SOURCE: Journal of Biological Chemistry, (July 27, 2001) Vol. 276, No. 30, pp. 28327-28339. print.
ISSN: 0021-9258.
DOCUMENT TYPE: Article
LANGUAGE: English
SUMMARY LANGUAGE: English

L6 ANSWER 7 OF 24 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2001:157390 BIOSIS
DOCUMENT NUMBER: PREV200100157390
TITLE: Large-scale analysis of the yeast proteome by multidimensional **protein** identification technology.
AUTHOR(S): Washburn, Michael P.; Wolters, Dirk; Yates, John R., III (1)
CORPORATE SOURCE: (1) Syngenta Agricultural Discovery Institute, 3115 Merryfield Row, Suite 100, San Diego, CA, 92121: jyates@scripps.edu USA
SOURCE: Nature Biotechnology, (March, 2001) Vol. 19, No. 3, pp. 242-247. print.
ISSN: 1087-0156.
DOCUMENT TYPE: Article
LANGUAGE: English
SUMMARY LANGUAGE: English

L6 ANSWER 8 OF 24 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2000:520071 BIOSIS
DOCUMENT NUMBER: PREV200000520071
TITLE: Methionine oxidation within the cerebroside-sulfate activator **protein** (CSAct or Saposin B.
AUTHOR(S): Whitelegge, Julian P. (1); Penn, Brandon; To, Trang; Johnson, Jeff; Waring, Alan; Sherman, Mark; Stevens, Richard L.; Fluharty, Claire B.; Faull, Kym F.; Fluharty, Arvan L.
CORPORATE SOURCE: (1) Department of Chemistry and Biochemistry, University of California, 405 Hilgard Ave., Los Angeles, CA, 90095-1569 USA
SOURCE: Protein Science, (September, 2000) Vol. 9, No. 9, pp.

1618-1630. print.
ISSN: 0961-8368.

DOCUMENT TYPE: Article
LANGUAGE: English
SUMMARY LANGUAGE: English

L6 ANSWER 9 OF 24 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2000:481016 BIOSIS
DOCUMENT NUMBER: PREV200000481016
TITLE: Identification of differentially expressed **proteins** between human hepatoma and normal liver cell lines by two-dimensional electrophoresis and liquid chromatography-ion trap mass spectrometry.
AUTHOR(S): Yu, Li-Rong; Zeng, Rong; Shao, Xiao-Xia; Wang, Nan; Xu, Yong-Hua; Xia, Qi-Chang (1)
CORPORATE SOURCE: (1) Shanghai Institute of Biochemistry, Chinese Academy of Sciences, 320 Yue-yang Road, Shanghai, 200031 China
SOURCE: Electrophoresis, (August, 2000) Vol. 21, No. 14, pp. 3058-3068. print.
ISSN: 0173-0835.
DOCUMENT TYPE: Article
LANGUAGE: English
SUMMARY LANGUAGE: English

L6 ANSWER 10 OF 24 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2000:364302 BIOSIS
DOCUMENT NUMBER: PREV200000364302
TITLE: Proteomic analysis of the human colon carcinoma cell line (LIM 1215): Development of a membrane **protein** database.
AUTHOR(S): Simpson, Richard J. (1); Connolly, Lisa M.; Eddes, James S.; Pereira, Joseph J.; Moritz, Robert L.; Reid, Gavin E.
CORPORATE SOURCE: (1) Ludwig Institute for Cancer Research, Royal Melbourne Hospital, Parkville, VIC, 3050 Australia
SOURCE: Electrophoresis, (May, 2000) Vol. 21, No. 9, pp. 1707-1732. print.
ISSN: 0173-0835.
DOCUMENT TYPE: Article
LANGUAGE: English
SUMMARY LANGUAGE: English

L6 ANSWER 11 OF 24 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2000:329360 BIOSIS
DOCUMENT NUMBER: PREV200000329360
TITLE: Hydrolysis of triple-helical collagen peptide models by matrix metalloproteinases.
AUTHOR(S): Lauer-Fields, Janelle L.; Tuzinski, Kathleen A.; Shimokawa, Ken-ichi; Nagase, Hideaki; Fields, Gregg B. (1)
CORPORATE SOURCE: (1) Dept. of Chemistry and Biochemistry, Florida Atlantic University, 777 Glades Rd., Boca Raton, FL, 33431-0991 USA
SOURCE: Journal of Biological Chemistry, (May 5, 2000) Vol. 275, No. 18, pp. 13282-13290. print.
ISSN: 0021-9258.
DOCUMENT TYPE: Article
LANGUAGE: English
SUMMARY LANGUAGE: English

L6 ANSWER 12 OF 24 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2000:91539 BIOSIS
DOCUMENT NUMBER: PREV20000091539
TITLE: An integrated proteomic approach to studying glomerular nephrotoxicity.

AUTHOR(S): Cutler, Paul (1); Bell, David J.; Birrell, Helen C.; Connelly, John C.; Connor, Susan C.; Holmes, Elaine; Mitchell, Bob C.; Monte, Soraya Y.; Neville, Bill A.; Pickford, Russell; Polley, Steven; Schneider, Klaus; Skehel, J. Mark
CORPORATE SOURCE: (1) Department of Analytical Sciences, Smith Kline Beecham Pharmaceuticals, Harlow, CM19 5AW UK
SOURCE: Electrophoresis, (Dec., 1999) Vol. 20, No. 18, pp. 3647-3658.
ISSN: 0173-0835.
DOCUMENT TYPE: Article
LANGUAGE: English
SUMMARY LANGUAGE: English

L6 ANSWER 13 OF 24 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1999:222962 BIOSIS
DOCUMENT NUMBER: PREV199900222962
TITLE: Determination of N-linked glycosylation of yeast external invertase by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry.
AUTHOR(S): Zeng, Chenhui; Biemann, Klaus (1)
CORPORATE SOURCE: (1) Department of Chemistry, Massachusetts Institute of Technology, Cambridge, MA, 02139-4307 USA
SOURCE: Journal of Mass Spectrometry, (April, 1999) Vol. 34, No. 4, pp. 311-329.
ISSN: 1076-5174.
DOCUMENT TYPE: Article
LANGUAGE: English
SUMMARY LANGUAGE: English

L6 ANSWER 14 OF 24 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1998:206320 BIOSIS
DOCUMENT NUMBER: PREV199800206320
TITLE: Structure characterization of functional histidine residues and carbethoxylated derivatives in peptides and **proteins** by mass spectrometry.
AUTHOR(S): Kalkum, Markus; Przybylski, Michael; Glocker, Michael O. (1)
CORPORATE SOURCE: (1) Fac. Chem., Univ. Konstanz, P.O. Box M 732, D-78457 Konstanz Germany
SOURCE: Bioconjugate Chemistry, (March-April, 1998) Vol. 9, No. 2, pp. 226-235.
ISSN: 1043-1802.
DOCUMENT TYPE: Article
LANGUAGE: English

L6 ANSWER 15 OF 24 BIOTECHDS COPYRIGHT 2002 THOMSON DERWENT AND ISI
ACCESSION NUMBER: 2002-04957 BIOTECHDS
TITLE: Use of multiple immobilized enzyme reactors in a liquid chromatographic system to perform enzymatic transformations or compound syntheses, to screen chemical entities for the discovery of new drug candidates;
dopamine conversion to norepinephrine using immobilized dopamine-beta-hydroxylase bioreactor
AUTHOR: WAINER I; MARKOGLOU N
PATENT ASSIGNEE: UNIV MCGILL
PATENT INFO: WO 2001090298 29 Nov 2001
APPLICATION INFO: WO 2000-CA777 26 May 2000
PRIORITY INFO: CA 2000-2309510 26 May 2000
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-114284 [15]

L6 ANSWER 16 OF 24 BIOTECHDS COPYRIGHT 2002 THOMSON DERWENT AND ISI
ACCESSION NUMBER: 2002-00418 BIOTECHDS

TITLE: Characterizing **proteins** involves treating samples comprising **proteins** with separation apparatus, feeding separated **proteins** into a **mass spectrometer** and analyzing the separated **protein** to characterize **protein** mass;

protein microarray and **computer**
software for human erythroleukemia cell **protein**
purification and characterization

AUTHOR: Lubman D M; Bader T J; Wall D B; Parus S J; Kachman M T;
Chong B E; North R; Horvath T; Yan F

PATENT ASSIGNEE: Univ.Michgigan

LOCATION: Ann Arbor, MI, USA.

PATENT INFO: WO 2001058925 16 Aug 2001

APPLICATION INFO: WO 2001-US3917 7 Feb 2001

PRIORITY INFO: US 2001-259448 3 Jan 2001; US 2000-180911 8 Feb 2000

DOCUMENT TYPE: Patent

LANGUAGE: English

OTHER SOURCE: WPI: 2001-529839 [58]

L6 ANSWER 17 OF 24 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2002:293960 CAPLUS

DOCUMENT NUMBER: 136:275672

TITLE: Apparatus and methods for affinity capture tandem mass spectrometry

INVENTOR(S): Weinberger, Scot; Ens, Werner; Laboda, Alexander;
Spicer, Victor; Bryan, Raymond G.; Standing, Ken;
Tornatore, Pete

PATENT ASSIGNEE(S): Ciphergen Biosystems, Inc., USA

SOURCE: PCT Int. Appl., 86 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002031491	A2	20020418	WO 2000-US28163	20001011
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			

L6 ANSWER 18 OF 24 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:598300 CAPLUS

DOCUMENT NUMBER: 135:177671

TITLE: **Protein** separation apparatus and methods for a novel mass mapping system

INVENTOR(S): Lubman, David M.; Chong, Bathsheba E.; Parus, Stephen J.

PATENT ASSIGNEE(S): Regents of the University of Michigan, USA

SOURCE: PCT Int. Appl., 56 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001059460	A2	20010816	WO 2001-US3887	20010207
WO 2001059460	A3	20020207		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 2002039747	A1	20020404	US 2001-778496	20010207
PRIORITY APPLN. INFO.:				
			US 2000-180911P	P 20000208
			US 2000-239325P	P 20001010
			US 2000-239326P	P 20001010
			US 2001-259448P	P 20010103
			US 2001-259816P	P 20010104

L6 ANSWER 19 OF 24 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:598011 CAPLUS

DOCUMENT NUMBER: 135:164431

TITLE: An apparatus and methods for **protein** separation and display

INVENTOR(S): Lubman, David M.; Barder, Timothy J.; Wall, Daniel B.; Parus, Stephen J.; Kachman, Maureen T.; Chong, Bathsheba E.; North, Robert; Horvath, Thomas; Yan, Fang

PATENT ASSIGNEE(S): The Regents of the University of Michigan, USA

SOURCE: PCT Int. Appl., 104 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001058925	A2	20010816	WO 2001-US3917	20010207
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:				
			US 2000-180911P	P 20000208
			US 2000-239325P	P 20001010
			US 2000-239326P	P 20001010
			US 2001-259448P	P 20010103

L6 ANSWER 20 OF 24 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:842363 CAPLUS

DOCUMENT NUMBER: 134:27293

TITLE: Method of determining the three-dimensional shape of a

macromolecule using chemical crosslinking and specific cleavage and fragment analysis

INVENTOR(S): Gibson, Bradford W.; Kuntz, Irwin D.; Tang, Ning; Dollinger, Gavin; Oshiro, Connie M.; Hempel, Judith C.; Taylor, Eric

PATENT ASSIGNEE(S): Regents of the University of California, USA

SOURCE: PCT Int. Appl., 80 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000072004	A2	20001130	WO 2000-US14667	20000526
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:			US 1999-135891P	P 19990526

L6 ANSWER 21 OF 24 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1999:205270 CAPLUS

DOCUMENT NUMBER: 130:220155

TITLE: System and methods for qualitatively and quantitatively comparing complex admixtures using single ion chromatograms derived from spectroscopic analysis of such admixtures

INVENTOR(S): Higgs, Richard E., Jr.; Julian, Randall K., Jr.; Kaiser, Raymond E., Jr.

PATENT ASSIGNEE(S): Eli Lilly and Company, USA

SOURCE: U.S., 24 pp.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5885841	A	19990323	US 1996-712540	19960911
REFERENCE COUNT:	2	THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L6 ANSWER 22 OF 24 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1998:328087 CAPLUS

DOCUMENT NUMBER: 129:80808

TITLE: Application of mass spectrometry for the identification of genetic variants of milk proteins

AUTHOR(S): Chin, D.; Ng-Kwai-Hang, K. F.

CORPORATE SOURCE: Department of Animal Science, McGill University, Ste-Anne-de-Bellevue, H9X 3V9, Can.

SOURCE: International Dairy Federation [Special Issue] S.I. (1997), 9702(Milk Protein Polymorphism), 334-339

CODEN: IDFSEO; ISSN: 1025-8515

PUBLISHER: International Dairy Federation
DOCUMENT TYPE: Journal
LANGUAGE: English

L6 ANSWER 23 OF 24 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1995:692204 CAPLUS
DOCUMENT NUMBER: 123:78729
TITLE: Low flow high-performance liquid chromatography solvent delivery system designed for tandem capillary liquid chromatography-mass spectrometry
AUTHOR(S): Davis, M. T.; Stahl, D. C.; Lee, T. D.
CORPORATE SOURCE: Beckman Research Inst., City of Hope, Duarte, CA, USA
SOURCE: J. Am. Soc. Mass Spectrom. (1995), 6(7), 571-7
CODEN: JAMSEF; ISSN: 1044-0305

DOCUMENT TYPE: Journal
LANGUAGE: English

L6 ANSWER 24 OF 24 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
ACCESSION NUMBER: 88265774 EMBASE
DOCUMENT NUMBER: 1988265774
TITLE: Cesium ion liquid secondary ion mass spectrometry of membrane-bound glycoproteins: Structural and topological considerations of acetylcholine receptor from *Torpedo californica*.
AUTHOR: Poulter L.; Earnest J.P.; Stroud R.M.; Burlingame A.L.
CORPORATE SOURCE: Mass Spectrometry Facility, Department of Pharmaceutical Chemistry, University of California, San Francisco, CA 94143, United States
SOURCE: Biomedical and Environmental Mass Spectrometry, (1988) 16/1-12 SPEC. ISS. (25-30).
COUNTRY: United Kingdom
DOCUMENT TYPE: Journal
FILE SEGMENT: 029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English